

MARLDON STRATA A50

150121

PRODUCT DESCRIPTION

Strata Acoustic Underlay has been specifically designed for fully bonded wood floor installations. Its unique design means it can be bonded to the subfloor and then the flooring bonded on top, creating a durable and acoustic resilient layer.

Its highly recycled rubber-mix acts as a dense layer suitable for concrete subfloors and can be used under a wide range of floor finishes to attenuate impact sound at source. Its lack of deformation means the Strata A50 underlay offers greater stability and durability. Compatible with underfloor heating.



Dimensions	5mm x 1m x 10m
Roll Area	10m ²
Roll Weight	36.6kg
Density	750 kg/m ³
Mass	3.75 kg/m ²
Compression Loads (Over 10 Years)	10 kN/m ² = < 7% loss of thickness. 15 kN/m ² = < 10.6% loss of thickness. 20 kN/m ² = < 14.3% loss of thickness
Recycled Content	0.93 Recycled tyres per m ² . - 12.09 Recycled tyres per roll 92% Recycled - 100% Recyclable
Performance	Reduction from Strata A50: ΔLw 20dB. Performance will vary with different floor make-up. Best performance achieved when incorporated in a fully bonded floor build up.
Tog Rating	0.047 - 0.5 Tog
Thermal Conductivity	0.133 W/mK
Thermal Resistance	0.047 m ² K/W
Temperature Stability	-35°C to +100°C

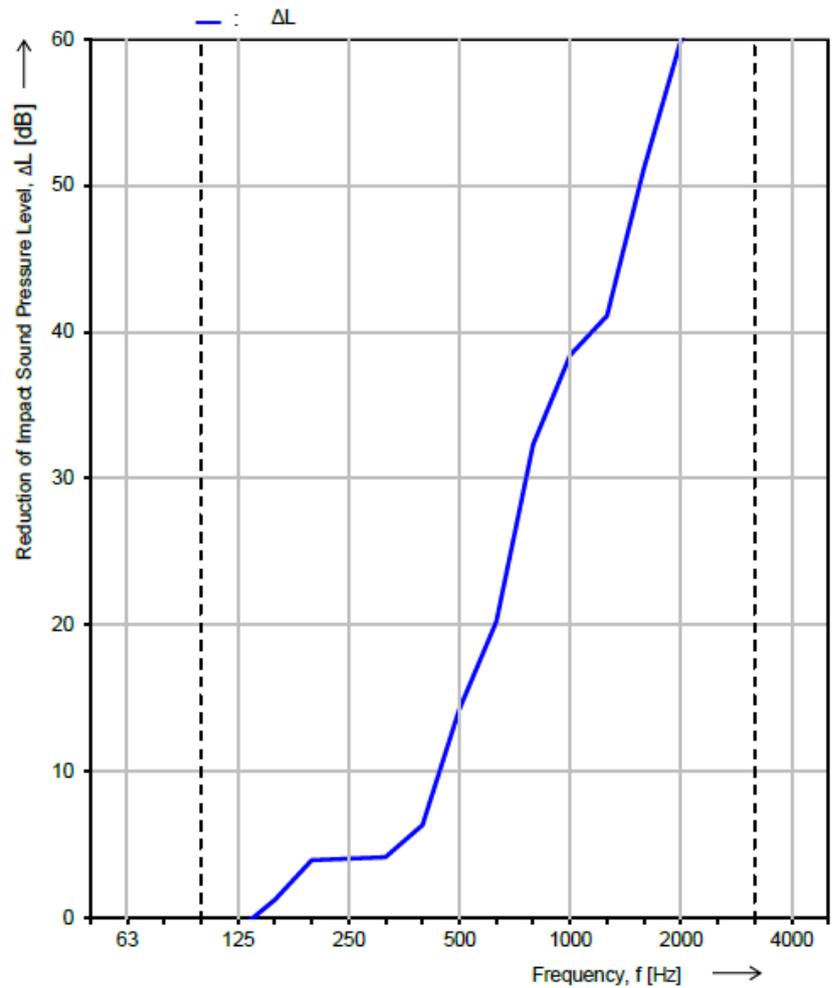
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KEY BENEFITS

- ✓ Significantly reduces impact sounds.
- ✓ Can be installed under finished flooring.
- ✓ Guaranteed constant thickness and density.
- ✓ Does not deform, maintains efficiency long term.
- ✓ Pre-fabricated recycled tire granule mat.
- ✓ Low compression under heavy loads.
- ✓ May be used in retrofit.
- ✓ Compatible with UFH

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PERFORMANCE DATA

Frequency f [Hz]	$L_{n,0}$ ½ octave [dB]	ΔL ½ octave [dB]
50	--	--
63	--	--
80	--	--
100	63.4	-0.8
125	66.9	-0.9
160	64.4	1.2
200	70.5	3.9
250	69.8	4.0
315	70.3	4.1
400	71.1	6.3
500	73.7	14.2
630	74.3	20.2
800	74.9	32.3
1000	75.9	38.4
1250	76.4	41.1
1600	76.9	51.2
2000	77.9	59.9
2500	78.0	64.1
3150	77.0	64.1
4000	75.6	63.1
5000	74.3	63.9



Rating according to BS EN ISO 717-2:2020

$\Delta L_{W} = 18 \text{ dB}$

$C_{I\Delta} = -12 \text{ dB}$

$C_{I,r} = 1 \text{ dB}$

Evaluation based on laboratory measurement results obtained in one-third-octave bands by an engineering method.

FOR FURTHER
INFORMATION

Contact the dedicated Marldon
Technical Team on 01772 696600.

Additional Information: This data sheet is prepared by Marldon Technical Department.
The information contained in this technical data sheet is based on present knowledge and
current national legislation. The information provided is a guidance on usage, application, health and safety etc,
it is not to be construed as a guarantee of technical performance or suitability for particular applications.